ESPCP GENERAL NOTES:

The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to,or concurrent with,land disturbing activities.

Erosion control measures will be maintained at all times.If full implementation of the approved plan does not provide for effective erosion control,additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project based on common construction methods and techniques. If the Contractor elects to alter the stage construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor,the Certified Design Professional and the WECS shall carefully evaluate this plan prior to commencing land disturbing activities.A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added per Special Provision 161 - Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that **"Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."** - However,the Department typically requires disturbed areas to be stabilized every 7 days. The construction documents,special provisions,or specifications may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species,planting dates,seeding fertilizer,lime and mulching rates for this project can be found in section 700 of the current edition of the Department's specifications and other applicable contract documents,special provisions,or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The project budget includes sufficient funds for the payment of construction exits.The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP.To facilitate project logistics,the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Stage Ia - The contractor shall install silt fence,type A at the base of all fill slopes prior to land disturbing activities.In areas where silt fence is not feasible such as parking lots etc. baled straw can be used. Temporary Grassing and mulch shall be placed on disturbed areas in accordance with notes found in the ESPCP General Notes.Construction exits shall be installed prior to equipment entering the roadway.

Stage Ib - Once land disturbing activities have occurred,additional temporary erosion control items shall be installed.As drainage structures are being constructed,inlet sediment traps shall be implemented as shown in the erosion control plans Inlet sediment Traps are also required around existing structures after removal of the taps have occurred.

Stage Ic - Once the pavement has been constructed to the proposed width and to the 19mm mix level,baled straw sd2 Inlet sediment traps will be implemented in order to prevent silt from entering the new structures.

Stage Id - All erosion control items shall be removed once an acceptable ground cover has been established.

PETROLEUM STORAGE,SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite.The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture and disposal of any petroleum product leaks or spills asociated with the servicing, refueling or operation of any equipment utilized in the work.A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with this plan. The Contractor shall not park,refuel,or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site,the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans.The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements

SOIL SERIES INFORMATION

A project specific soil survey and geotechnical investigation was performed for this project and can be made available upon request.Soil characteristics have been given full consideration in the hydrologic analysis,the design of channels and linings,selection of temporary BMP's,design of energy dissipaters,and the in the selection of permanent vegetation and fertilizers.

RETENTION OF RECORDS

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted:
   a. A copy of all Notices of Intent submitted to EPD,
   b. A copy of the Erosion,Sedimentation and Pollution Control Plan;
   c. The design professional's report of the results of the inspection conducted in accordane with Part IV.A.5.of permit GAR100002;
   d. A copy of all monitoring information,results,and reports required by the permit;
   e. A copy of all inspection reports generated in accordance with Part IV.D.4.a.of the permit;
   f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2.of the permit; and
   g. Daily rainfall information collected in accordance with Part IV.D.4.a.(1)c) of the permit.

2. Copies of all Notices of Intent,Notices of Termination,reports,plans,monitoring reports, monitoring information,including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, Erosion,Sedimentation and Pollution Control Plans,records of all data used to complete the Notice of Intent to be covered by the permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the the NOT is submitted in accordance with Part VI of this permit.These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site.This period may be extended by request of the EPD at any time upon written notification to the permittee.

POST-CONSTRUCTION BMP'S

All permanent,post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent detention ponds, filter basins,vegetation,permanent slope drains and/or flumes,rip-rap at pipe outlets for velocity dissipation and outlet stabilization,vegetated swales/ditches where practical, channel/ditch stabilization with Turf Reinforcing Mats,rip-rap,and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.)

Silt Fence Installations with J-Hooks and spurs

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique,or configuration,is commonly referred to as J-hooks or spurs. The J-hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J-hooks shall be spaced in accordance with the Construction Detail D-24C. The maximum spacing of J hooks is reached when the top of the adjacent downgradient J hook is at the same elevation as the bottom of the adjacent upgradient J hook. J Hooks shall be paid for as silt fence items per foot. All cost and other incidental items are included in cost of installing and maintaining the silt fence.

Maintenance and Stabilization Measures

See Special Provision 161 and 700 and other contract documents for maintenance and stabilization measures.

Waste Disposal

Where attainable,locate waste collection areas,dumpsters,trash cans and portable toilets at least 50 feet away from streets,gutters,watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials,shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

Inspections

All inspections shall be documented on the appropriate Department inspection forms. See Special Provision 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

By agreement with Georgia EPD,the Department's Construction Engineer will be responsible for the seven day inpections required for new BMP installations.

NON-STORM WATER DISCHARGES

Non-storm water discharges defined in Part III A.2 of the NPDES Permit will be identified after construction has commenced.These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act,the NPDES Permit,the Clean Water Act,the Manual for Erosion and Sediment Control in Georgia,Department Standards,and contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin,silt filter bag or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing.Failure to create sheet flow will obligate the contractor to perform water quality sampling of their pumped discharges.The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit utilizing by a Certified Design Professional No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal,sanitary sewer or septic system regulations.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Specifications.

3/1/2007 GPJK

GEORGIA
DEPARTMENT OF TRANSPORTATION

REVISION DATES
10/22/08

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 2 - DESIGN

ESPCP GENERAL NOTES

PROJECT CSBRG-0007-00(033)
COUNTY HANCOCK

DRAWING No 51-001